

12. A method of query processing in an electronic image retrieval system, comprising:

receiving one or more query input describing the image in linguistic terms;

translating the linguistic query input into a query image descriptor that conforms to the schema of claim 2;

comparing the query image descriptor to the image descriptor of images stored in a database; and

retrieving the image with image descriptor that most closely matches the query image descriptor.

[c13]

13. A method of analyzing visual information, comprising:

an electronic spreadsheet that accepts digital images and their image descriptors as input to its cells;

means for reading the data in the image descriptors; and

formulas that operate on the data contained in the image descriptors.

## **Abstract of Disclosure**

[0085] A system and method for perceptual processing, organization, categorization, recognition, and manipulation of visual images and visual elements. The system utilizes a dynamic perceptual organization schema to adaptively drive image-processing sub-algorithms. The schema incorporates knowledge about the visual world, human perception and image categories within its structure. A fuzzy logic query control system integrates the knowledge base and image processing drivers.